I shall write a note to Dr. Gray and send it by the same mais that takes this so that there can be no mitake about my request reaching one or both of the fentlemen from whom I am conscious I am arking a very great favor.

Very respectfully yours

Belleville, Canada

Ang. 12 to 1876.

Sereno Watson Erg.

Dear Liv.

During the years

During the years 1872 × 1875 I collected plants are the way from Lake Supression to the Pacific, crossing the Rocking about Latitude 56 by the Peace River and reaching the Coast at the mouth of the Frazer. I have been en-- faged for some time working up those collections and would like very much to have the privile of comparing my specimens with those in On Gray's Herbarium.

those in On Bray's Herbasium.

Should the liberty be
given I shall por down to Harrand
toward the end of this month.

Phlog Caroliniane, L. Poir. Dict. 5. 242. Origanum clinopodior des, walt. Poir, in lam, 196 Dict. 4.609 glaberrina Ulmis amortana, L. 611 fivanicata, l. J. pilora, L. L Junbescens, Walt. 611 Orobanche americana, 2, 622 ? Virpinana, 2, 3 623 4 284, enbulara, 2 uniflora, de J Retacce, 2, J " 245 brownium agranicum, 2. 62) anaviolena, dit 11 2 1 Which furnila, L. Ram, Dich, 4, 6 3 % Phryma leftor achy and L. cylindrica, L. " 639 Phytolana decandra, L. 1, 206, Canadenie, 2. " 646 Canadenie, 2. " 646 Pinus Mugho, vos. A-D. -11 336 Hudsonia Pone, 44 339 resinoza, Ait. oxumba Virginia aa, Sarigny, in lam. Diet, 4.649 Virginiana linguitity 11 650 bitemera, 4 Tacher or vars h-D. 4340 " 62-4 receitis d. " palustris, Ait, & 4 341 1. 65-5 Claytoniana, L, a strobus; L. U 4 65-6 glover , walts Commententina, L. n aguamora, walk, y 11 928 Carolinia na, walk, n luhea, tract, 4 716 Gaultheria procumbens, 2: " Plantago cordata, un. M. 1, 330, n. 1649, Por dict. 5.369 11 732 Paneralium Caroliniamo, L " enculara, dam. M 1,339, n. 1654, 11 370 ff. millium commun, L. Poir, Drick, V. 19 Virginia, L. Track. h 1556 enchungh: 1 20 20 interrupta, Poir (charrifura, Ms) 3/5 anistaria, Mp. 394 Diospyros Virginiana, 2. Poin, dich. 5,428) Kuming passicaria des L. Poir, Drich, 5. 61 Planamus accidentalis, d. n 43% varietation, L. V.70 '04 Polimonium reptans, L. 1. 479 Lam. H. 472 Indium, R. 4809 L.106, f. 2 Providence, L. 4 ma. Providence cuphras in ides, brinds, Poir Dich. 5. 125 Virginia, Poin, Dich, 5. 126. Polyhotim Virginianim, L. 11514 Canatornia, L. 4 132 lonahitis, L. "526 achorationorides, Poin. 11 529 ph? broadendies, Roby, 11 132 Follow Canadonsis. Poir. Dich. J. 236, angulossa . I n 237 radi cans, Poir, 4 530 cicurarium, 2. 1, 134 baltamifera, 2. moniliferan, Fit 1 239. 1, 535 comultile, Mp. n 536 bulbriferm, 2. ? lauricata, Ait. marginale, L. n 545 1, 240, ? Phanlia probescens, hos. allegarino, Poir, a 545 (Achi, thelypis, Mx) Phalangim virgatum, Poir, " 246, Sordoract at 2, 4 a 516 Phlory pamiculara, L. floir, Dict. J. 241. Lain, HI cristatum, h. Just tilip formina Laplanoida, lip moulaba, Ait maentaha, L.

have made a very interesting collection, of the species facultar to the aris country. Two species of Cactus, Lage Bruk and Lynourus were abundant and no farning could be done without injection. Artemisia fixed a was the winter pastine in many places and the notices bunch grass of various species was fact disappearing before the singlum of cattle and houses. I will be delighted to answer any questions you may ask if in my power and as soon as prossibly I prupose sending for a conflict set of our Canadian plants as for as my collections will allow, Very truly yours



My dear hi.

Having been absent from home when you letter reached Belleville I had not the pleasure I seeing it with a few days since. I am glad that you think my Report interesting. When saked Am. Lelwyn to send your a copy I hoped you might find something would intenst you.

of the two which I took to be the abies alba. I am also suding the leaves in this letters.

The true was found is some abundance at Lucinule on the Fraser and also at a provint west of that on the Deligroph Drail. The A. balranaca was not observed by me west of the mountains and from the foll-- owing fact it is very fristable that your summe is correct. In September 1872 when cross - ing a range of low mountains about 30 miles south of Little Slave Lake at an altitude of bethoeen 3000 and 4000 feet. (annois was about 26) I notices that we came whom A. balsamen, for the fine, since leaving it each of the great prairies. I was and never felt attiffed about it

until I read your letter. I also detected P. contotter on the same mountains which is its eastern limit as far as I am aware. I am not enastly certain whithey you mean that there are three ranges J. mountains in Washington Dentoy and troo in British Columbia or not but if such is your meaning I think you are count, only A two being in British Columbia. The Coast Range of W. Territory seems to continue as a chair of thountains on Vancouver Irland.

The dry woodless region of my Depart lies immediatity early of the Carcade Range, and the whole country below 2000 feet from the Boundry Line to about Lat. 52.40 is woodless. Hambooks a little south of Lat. 51° being in the Centre of the area. Had my time permitted I comed

man from the western frank of this provine made me a frish. In the course of his remarks he mentiones that he had found E. Candidum on's frust summer. When objected he described the plant while I take to be E. propular I remember having seen a tique of the latter some years agor and the figure he drew was exactly like it. He says that the flower have a tinge of fruits. I find that they Lilianus were not sunt I what send them, with others ment week. The Rainy River plant L. Canademe? wire be aniony them. The Omion we eseamine when I was at Harvard turns out as you thought - A. Cerrmins. A few of the bulls after 2 years produces

Belleville Ont. Nov. 16 to 1878

My dear his.

four card was duly received some days since. The parcel you I refer to was sent by me to On Gray at the time you mentions. They were if I remember oright, mie difficulties and included Lake Superior and Ontario plants. As I never heard anything of them I gave who asking for assistance, from Ov. Greef. I see now that they may have been put vido for futur ex--amination and lost right of. If conviewed I would like a it of their names. From the names I can tell the localities. Lorne days since a fente-

I stained it on Vancours,

Illand.

Please forward your work

on Lynonyms and its price. I show

at once and the morrey.

Very minely your

John Macoun.

2767 ly. debumponers Desg 2716 Hyp. Mullere Saft 2722 H. oedipodium M 2779 H. Vanchie Wisten 2723 N. anum m 2781 H. Vacellary Sulliv 2732 N. plicatele M. 2782 H. Varisem Stodar. 2733 A. plumefer m 2740 Atallegiumm. 2746 H. Rich arton hu Please send the list of species you dising and I shall send the specimens if I have thing When can I Mains a list of the Pacific Court Monos, 2-Lesqueraun's. Very truly yours John Macom, no 2373 Sphay pyeno dadum 2546 Bry Linguryi 2088 Dearf crespund Steda 179 misubolobonim 2098 - masounie auch 2594 Sombly morevand 2400 Burbula anomala, 18. Er 25/95 amost Storash 2436 - srazilis Sohw , 26076 Splack Fowlers 26 /3 Jonter Jysamore 2440 - flestotia curi 2458 annual Latifolia n+H 2628 Sast. Woller air Zucy Encatyp macound auch 2639 Pylais: Katiromulla 2465 - Selwynin aust 2490 Orth, halling Brick 2644 Neck. Masounin 2474 Jamesiani Sulle 26 47 myrinin puloinot 2501 Orimnia alfrestris soll, 2651 Om alin obtusa mis 2507 - troquetre austin 2568 - Magiopodialy redw 2574 Atischum pardellus Mit 563 H. aprison Sut 2659 Hyp aggregation m 2664 H. Avotienn Dom Q665 N. agrevimum m \$ 1887 Orther Bruchic Will 2686 A declivum m 2524 Oligot aligerum This 2693 90. Flinningia aus 2695 N, gemenus mit 2538 Timbria Bavarica Hunt Joo H. heter of letun 2696 H. Sherbie aust

Telleville Nov. 25th 1872 Oroj. G. P. James...
My deav his. accept my thanks for the remittance received. I am sorry that There are so many mutokes in spelling in the Catalogue. I whall do better nest time. I purpose sending to four the remaining species of morses not before sent to your and whale do so very seon

as I am about to send a panel

to Pr. Truy. Jon will kindly

confirms my names or court,

Prof I. Marcus , Cambridge of the 10 1879 ley dear Sur_ I have exceened all the thooses contained in that large partray which I received a mo week, age from you More will observe by the Emerution that I report only those that were not named but simply numbering on the packet; also those that were incorrectly married Hose that were properly named I have not reported I have critically exermend all under the microsuper with very four my cophering of those which were Jam sure of my result I hope my whork will be satisfications In your favor of nor- 25 you asked me to send a lest of specea , that is desired one you would send me specimen, I gow had them I deave now to theucked you for a neumber of those contained on my lest of disedurate which are in the large packet reported whon rig - ut 2519 -2594 - 2639 - 2644 -2647 2637- 2664- 2693-2696-2923-2732 2746-2767-2733-How there are on that list which I furneshed other, which I would be under Abequations to you for if only in small Lyam play - Several of the look & have notes Decu vy aspec Gally & trooby your The I James

Januaria which estends between the Georgian Bay and Lake Homos. They were all collected the last week in July and fruit week in Dugant 1871. Exhibition, paniewlatus was in abundance but has never been seen in any other locality. I have sent the Fort Francis L. loanadense.

Gow will find a pacel addressed to Ord, fames. It contains
morses which he will call for
when I hear from him, I shall
send your set.
Please notify me of any
conections and office

from Macoun,

Belleville Jan 26th 1879 My dear Liv. I have this day sent on a Sparcel of pilants addeni to On Gray. They are conthis installment of our Canadian Alora. I purpose going on until he has got a full set of ow whole botanical productions. Nest season I shall add largely to what I have already sent and before writter is at an end I cicfreet to send the grasses and acages and possibly the morses, The 60 species of the del set since were all extlected on that

of last season's collections. all my collections were made between si' + 52 north, and the 97 and 115 West Long. I collected from each to Went The later the date the faither west the location. Hedping both Or Gray and fourself may get some things to noticest your. John Macours Lereno Watson Eng.

Cambridge Mars.

P. A. Should you have offrodowsty would

you kindly return, the last four specie

sentie J. M.

My Oear Lis. Hoaving sprent the summer in the west as I mentioned in spring I would do, I now send fruit of the proceeds for your examination, and partly to file up the paper in, my Canadian sines whills I hope to complete as years pass ow. I send 220 species of my own and there are all or meanly are named to the best of my ability. as you examine would you kindy put the number always before the name. thus 160 Engeror pumilums. By this means I can correct minis as I have duplicate mombos. I would like you to look over them at your eastern convenience

as I am making out a catalogue of

My Crear Lin. Leafter my very grateful thanks for the promptness with which you examined my specimens. I feel proud of my success last your I made very fine catlestions of pranes and Cances also and with the lange stock I have I what be alto to send you meanly a full sitt of all one Grasses and Cyperacea. I fruspore doing this before the winter is hart. I send a sofmall france con. -turning a few odds and ends which you would oblige me by examining Those with only a number on the shedt were obtained in newada and lealifornia in april 1875 as I was puring to British Columbia. I send what we can arter novi Belgis

The Epilobiums are the unnamed ones of 1875. I would like very much to get the corrections made on the plants I pent formerly as I am desirons of correcting all my mistakes before publishing another Editions of it. Would a collection of mores Certifico les Prof. James be acceptable to the Bestaring. I have very Juis collections of Cryptogams. The following numbers you make no report uspan. 110 Palea __ 9 Provolea lancanone 77 Arabis - ? purpuin 67 Lolidago - 1 numorais I Certin - ? austimo Please send a copy of the Botany Colifornia by mail and I whale sever pries on receipt of it. I ama very much pleased with the Nevisian of the Lilians and thank you very much for it. Hoping I am not worthing your the much. I any rying I. macum.

are hublished I would like to receive a copy of each atam-early date. I will return price by return mail. Or Vasey examined my rome and found many interes. - ing things. Or James and Prof Queherman my Lichens so that I may say with safety that now the greater frank of my collections are properly named. Should I get times they Morning I shay send all this Carriers and praises forme in Canada, Very sencerely yours John Maconn,

Ottawa March 23 A 1880

My Cear Liv, I have been here nearly a mouth and now take the of fartunity of thanking you for your kindness in naming my plants and giving me the in-- fornations in which I stook in need. Thanks for they cor-- notions on the Catalogue. I Am engaged ou a complète re-- virias of it and propose form Botanica Inden and all the later works and Revision for When the new works

I shall not cease Dending until I make On. Gray's col-- Cection of Canadian plants as mady complete as possible. My noute this year now Le rurally about Lat. 50. I see let the prapers that Ox. Bray has fauttished a awining the Composition. Could you office mesorts a copy Den truty yours Heritarium, Ese,
Hourand Insid

Bulleville (Dev. 18 th 1880 My dear Lis. I reached home from my long trip a few weeks Lince and am now fornes over my collections. I am forthing upv a munder for Ov. Gray and will send them of at once I send 200 spreeies mon and would be plad if afort severeld look carefully at thous wer hard a specific name as they are principally additions to my Collection of former years I think you will

find a few to interest your

Oc. 23 A Ocar lin. I have ofremed this A de to may that I send on for your 322 Mucie, or specimu, This brings one to the end of the Caries for the Soverest. My mest Inancel will wieled de prant I am sintaming on How by rending the Indone parcels but the charges from here are two high I hope you many be able to find many withete ing things. If you choose send they unnamed Carees to Mi Booth, your surpeitting f. Macun,

macon Dec. 12

be named. The one by On. Puf. fames the other by Wn. Vary. If allen M. C. (). New york has been working

hew youh has been working up my Charas and witty me & have a mumber of news.

get all their things such the your but work forenes heavily on me in writer.

O would like your Springers on the new (new to me) plants I send as I want to embody there, in my report. I say Part Office Order is the; ... Belleville Jan 31/81

My dear Lis.
The looks have animal and I am delighted with them. They will be a great againstion to me in working up the botancy of the west couch.

In the Jackage I sent you are a murnber of menor things from the longhers Hailes that are very interesting whithe, they be never a met at they are certainly now month of Lot 49. In they ment package I rent I stray fruit all the grasses and morres - a gradly murilier but their wirs was

and would ask as a favor that you would look over they last franced I sent. There are only a few species what, require enamination as the larger number of those I sent are properly named, Hear Prif Gray publishers another Volume of the Flora or have you done anything yourself the frank summer of Should either of you have publishes anything please send it on and I whose send the price most mail. Very truly your John Macoun

Belleville Nov. 23d 1881

Oear Lir.

Heaving sprent another summer in the most bleet and made still further Collections I purpose sending before spring another sistems I have send in sistems I show send the longuagea and send the longuagea and haminea and as Mr. Booth and Or. Vasey have carefully gone over three-theless I wis but troubly you the name them.

I am about to reprint my Catalogue of Canadianas plants and would like to have all the latest names and species



GEOLOGICAL & NATURAL HISTORY SURVEY.

Alfred R.C.Selwyn LLD, T.R.S., Director:

MUSEUM & OFFICE, SUSSEX ST OTTAWA.

Belleville Left 17 1882

My dear Li.

I reached home yesterday and found four kinds letter of any. It and the enclosed list A plants sent in the winter of 1880. I also find the framphlet you mention. Please accept my fratifus acknowledgements for all and several and believe me I am doubly prateful for the names of the plants as I wished you to verify the names I had worked out with such an expresse of time and trouble. (10 I indicated in my letter wither from Perce I have made large collections this season and have many rare things Stained last season and if you were not too busy I would send you in the course of a month another instalment of plants not before sent by me. many of the British Columbia and Procky mountains plants

(Lee within) are entremely interesting to me and I hope may be likewise to you and On Fray. Many of the saspe plants are Apreially interesting as they are varities in most hubaria. amongst others I obtained logatofiteris montana, Woodin hyperborea, glabelle aspridim fragrans, a culietum (two vers) Filiso mas, Botrichin Lunaria, an adrantum arabis alfrina, Dumerous Carices, Blysmus rufa, Plantago Coenuto, Poa un Iris and numbers of others. My collections of Lichens, Morses, & Leverwert are very large and likely contain many new things. These will be worked up during the winter. Dell Oa. Every that I have fine specimens of armeria & orlgaris from the top of the Shickshote mountains atte an allation I many 4000 feet and July 25 miles from The sea. The flow of the White Mountains was

P. L. The letter referred to has been ent buch to me. I shall write you fulter is a day or two, Should you be able to look over a lot of plants I might send thems to you in a week or two. J. M.



GEOLOGICAL & NATURAL MISTORY SURVEY.

Alfred R.C.Selwyn LLD, F.R.S. Director.

MUSEUM & OFFICE, SUSSEX ST OTTAWA.

Acc. 24 th 1883

Jun olean Lin.

Jour mote with the names

I the plants was duly acceived

and I am plad to receive your

motes on them. I see you are

right about summer short

stemlers. My mind is settled on

there points more.

In a week or two

there I show molicute by name or number so that your med not be houbles tro much. as our Know - helpe and specimens merear I shall Kuch sending you additions motis you have an our flora. Wishing your & On Gray many happy returns of the Deason I am very truly yours

the squarrow tips to the involucion scales. The var a, in Tou + ho Itlera just ever there specimeno and in my humble of inner they should constitute a var. Comeni-Canum of umbellations but out they true species, They are just the committing links between the the Spanie - umbellation & Canaday. I was much puzzled over the anternand having named it diview but discound that its that ofrein. loyfres Heills and Heans Hills are in our Canadian horth Hert. The formum are a range of hills no-ing to the height of about 3600 fut in Lat 50 and Long 107-109. The latters are in Lut 61+ and Long 112.



GEOLUGIC.

MUSEUM & OFFICE, SUSSEX ST. OTTAWA.

Occ. 8 11 1885 your note with list of names Came yesterday for which accept

my thanks. In your remarks on Hererainen umbettatuns you ask my opinion regarding the distinctions features of He umbellation a larradius or rather our forms.

my decision is that the Spranners sent are not true umbellature but are near it thou Canadense.

my specimens are umbutations (in my ofmin) in every sense but in one, that is it wants

Helianthins Muttattiv was forms is about Lat 62° and Lung III on ofrum prassy praises for east of the Ruchy mort difficult plant is he 22 which your name aureus Var. In general affrearance it is like this spring but its achievia are having which to me is an esceptioned character. Jun my Catalogus of the Styfulata which I hope you received. Very truty yours John Macon

to the second of



GEOLOGICAL & MATURAL MISTORY SURVEY. Alfred RV Selwyn LLD, TRL Director.

MUSEUM & OFFICE, SUSSEX ST OTTAWA.

1883

My dear di I am engaged working up our flora and me my escaminations have come across a few things I want your of rining

hot is a violet I can make nothing satisfactory of. I named it V. samustora but as it is stemless it cannot be that spring. We have no Jellow stimber without that I am acquainthes with and in evol woods along the westerns base of the Rockey Mountaine as

the Bounday but & found it \$ 00 miles faither north. no II is a riverest which I call V. huttattie but it is from the an attitude our 6000 feet. no III is the spices of butilling I Call I. calyeantha in my catalogue Which I sent to you some thing sine. I have it from a number of localities and am still in much doubt it. holy is another Mullarias which puzzles me. I few surper of Aware collected on the summit of the north Frontany Vass the part sum-- mer and I have been unable to folice it anywhere except make.

it crisps which I am apaid is searchy court. I find also that many specimens of Viola cucultates have 'ciliate sopals and is the same connection probesent fritioles and prediced. Spicimens of Vart cordate Call this form? Or. Rugers and myself, are thankful to your for your trouble with our hova destie plants The specimens you name grammed are truly indigenous as I found it every where in Hova Letter and also along the suspe loast. I find the specimens accord exactly with the figure in the English Botany.

I am not sor certain

that alchemella vulgaris is indigenous but believe it to be so as I found it in the places close to the coast.

In May 1875 I obtained

Specimens of a plant mean Victoria
on Vancouren Island which I mame)

Flow hea religioura, Muhl. I now
find it to be a Limnanthe and
mame it L. Conglario.

no 30 1 my catalogue include. two species. The western reference being applicable to the true Rammeules Hammula.

Any changes I make in the Catalogue I shall informs from I so that you may know how matters stand on this side. any opinion, you may with to see let me hour. and I will such thous. May tuty Tury



GEOLOGICAL & NATURAL MISTORY SURVEY.

MUSEUM & OFFICE, SUSSEX ST OTTAWA.

St. L. 18 4 1884 My dear his. accept my thanks for your late article regarding botanied nom - enclature and believe me nothing causes so much perfolinity to men like myself more than the messant change of name and too often without any just reason. Today I ferward by Expres a packet of plants containing over one hundred spices. The greater part of them are Polyfretato but there are one or two I would like you to look freetrentarly at - Salium asperimmn, and domiena bullivantii? besides salium there is an arabis from anticotto whils

I cannot place and a number of Umbellifus from the Rocky mountains.

home of the plants sent are without names except their and are intention as another instatment herbanism. Later on I shall another hundred and nest season I hope to send many others.

over Lolidago stricta = uliginora. It is desembed as being platrons but our sprennes are mearly all as seations and hairy on the factient as ofrecions, I am templed to think that our form is principally speciosa or an underented form. Please take at look at my anticoto specimen such your dorne time since I am busy at my Culatogue I the Campotatoe and have I had a hard

therefores from the very locatities where Purch collected so many years ago.

Teny truly yours

Don Asa Evany

Lambudge

Mass.

time with them. I have enumerated fifty this spices and may have included some forms which you no your new revision may exclude The names attached to the spreamens sent correspond to the names in my catalogue. You will notice that the greater number are from hova deotics and the Sug. Whenella vulgars and Stetting grammer are very likely botts edegenous to hova Lecties - certainly the latter. It is worthy of note that the Light House Freeform at bouth West Vonit, anticotti formel. Fr. Pursh ent on an old spring. He mentione the eventance to the abbe Brund. some years age but I do not believe the latter ever said anything about The specimes sint are



GEOLOGICAL & MATURAL MISTORY SURVEY.

Mfred R.C.Selwyn LLD, T.R.S. Director.

Feb. 18 th 1884

Bry dear Li.

I send another instatment of ofricerous to the herbanisms by

today's Enforces. They are all named

but one or two but & I would like

you to plance you eye over them

especially the Monbellifers which are

chiefly from the Rocky mountains.

There is also an arabis found anthousto

while I would like you to examine.

It is not care on gravel. Pleas look

frasticularly at the Orabas porme

and and archangelice atofuty

In the course of a months o

shale send another hundred or more.

any comethors you may make can be made by number as I have duflicates of all I send. I hope my anticorte plants may notured your.

I my Catalogue and hope to have

it distributed before June.

Very huty yours folm Macon

Lirano Watson Eng.

Herbarum

Cambridge mass.



GEOLOGICAL & MATURAL MISTORY SURVEY.

Alfred R.C. Schwyn LLD, FRS, Director.

MUSEUM & OFFICE, SUSSEX ST OTTAWA.

april 1th 1884

My dear Dir,

the conections and notes on the species sent.

Ranunculus abortivus is described as glaborus and I am pruzzled to drago the line between it and the Na. ale our specimens are more or less hairy.

Graning are to become incisum. I had reached that point myrel, this winter.

Would you kindly take another look at No 63
I cannot believe that it is Heedyparum Mackenzii as it
is so unlike all other specimens I have of that openies,
I call it astragalus mortoni because it seems mean A.
Canadensis.

is certainly indigenous as it prows in abundance on islands in Lake Winninfegories and nor settlement has ever been within 150 miles of where it is proming. Many of the trees are juite old dreaying and the one from which the open

- mens were procund was over twelve in his in diameter. you may notice that Bourgean says he found it on the Winnipey Bin while is 200 miles faither east. My ofrmier is that we in leanada have three species of this secretions of Pinus and that the eastern one is armericama, the one ranging from Lake Lufinius or even faither east in Lat 45 is me intermediate between it and sambucifolies say to accuparies. I fruspose settling this matter to evening You say that he 97 is balinus aparine V. Vaillantii, Or you not mean no 95? If I have time I show send you another hundred species during the covering month of course they will all be tramed so that you may spercine what I make of them. By the first of may I shall have the De cond frast of my catalogue writtens, which will include the Garnofotala. Line I wrote last I find that we have Stelling framines froming here and in 1882 I found it abundant along the Looks load. The more I know of our flora-the more I am satisfied that we have numerous forms mot fund south of Lat. 45. When I reach the Carries and

Last beingust I found Physoptians calcarees in abundances on antienti and Caren ampulacea, no tendato, fortion rariflered and many others Jon mil see by the Botamical Gazette what I did in Nova Devitie.

and he able to compare the various fours in the mostly wills the southern sous

You will oblige me much ky taking another look at he 102, 63, 97 or 95

Very haly your John Mawning



GEOLOGICAL & NATURAL HISTORY SURVEY.

Alfred R.C.Gelwyn LLD, T.R.S., Director.

MUSEUM & OFFICE, SUSSEX S! OTTAWA.

April 17th 1884

My dear dis.

Your note was received
a few days since and gave

me much satisfaction.

it is possible my son will be in the Rockey mountains and should be be you may expect food specimens of Congelia Cawoni,

I hope with your assistants and On Gray's to get our botany in proper shape in the course of a few years and as I work the grammed over I purpose doing it so thoroughly

that are additional work will be added to the peneral stock without having to go our the same prome again.

I shay make close examination inter our opicies of Pirus the coming summer and hope to send your foul opecimes of as our forms next autumn,

They truly your



GEOLOGICAL & NATURAL MISTORY SURVEY.

Alfred R.C.Selwyn LLD, F.R.S., Director.

MUSEUM & OFFICE, SUSSEX ST OTTAWA.

April 24 1884

My dear Lin,

your not has just reached

One and I answer it at once.

Visicaria aretica was found growing in some abundance on gravil and

sand, left by the spring floods

at the mouth of fupites bruis

by myself,

Please accept my thanks

for your kind note regarding the

plants I asked you to look atagain

I am glad that at least one of thems is new din a few days I

I shall send you another hundred Species but I purpose naming Them all and shall in a moto let you know those to while I wills more particularly to direct your attentions.

The coming summer I shall be collecting north of Lake Superior and around Lake Repo-- issing and hope to find some fine plants but northing new ? Ouring the summer of 1885 I hope to be in the Rocky mountains and shall get your goods Specimens of thos spicies I have been sending for scraps of Ret-

letted by On Oawson. In the preface to my the second part of my catalogies while is now going through the fires

I have particularly mentioned the assistance which I have got for no many years from your self and Oh. Eray. This should have appeared in the freface to the fairt fract but was unwiterthinly omitted.

We have had more cloud here this part writes than for many years but our sties are generally clear. For the last month we have had almost constant sunshins. Four weeks ago we had an average defth of lefect of snow on the from and now to elmo are no flower. Today I necessa letter from the Canadians mitto West animore fraters collected on the 16th here is Lat 40

ontes on Comahian Rolyhotely, What do your think of H. Wary think pine.



GEOLOGICAL & NATURAL HISTORY SURVEY.

Alfred RCSelwyn LLD, T.RS, Director

MUSEUM & OFFICE, SUSSEX ST OTTAWA.

ang 26 th 1884

I have just returned from Lake Rupin.

and delighted to find on my Robb the new

Mannal of the most flora of horth america.

Please accept my pratific thanks for your

Kindners and believe me when I say that I

fully appricate it. Ouring the corning winter

I humpore sending a set of our mosses both

hubarium and show be pleased to send you a

set as well if, your are having a separate

Collection. I have about 500 opnews.

Careful escarrinations of the country math of Late, but prior and Lake nifrigors and my son is the lecting on the legteres Heills and Lake Winnipuy so that you may expect many additional things from me this writer. The Leven Part of my Catalogue is now point through the frees.

P. S. I leave in a fair hus Very truly your for Marvhal.

Macoun



GEOLOGICAL & NATURAL HISTORY SURVEY.

Alfred R.C. Selwyn LLD, F.R.S., Director.

MUSEUM & OFFICE, SUSSEX ST OTTAWA.

Nov. 4 th 1884

Iny dear dis.

I have just frust who my instalment of the Oble

- yfutata for this year and send them are named

and numbered as they are in my new leatatogue

any specimens amongsthe them to while I with the draw your special attention I shall not

no. I blematis verticillaris from the Confires Hills is certainly not our eastern form. What it it it! "
No 91 Nufrhan luteum, Smith. We have this now from a number of places from the allantis to Lake Manitota,

No 16 S. Lisymbrium incisum . S. camescens
No 116 Nasturtiums paluotes. (Introduced)
No 113 Fermaria officinalis. I think this another of ruins,
No 241 Viola canines Var. respecties. Please escarning
No. 284 Arenaries Amichausii. Look at the small speimen which is form Point Pelee where Oonglas formed.
A. junifrasia, many years ago.

no 265 Lychnis elata, Waton, = Siluna multicantis? no 170 von - Oraba stettatirs Van, Johannis, 139 arabis Lyallia, Watons, = A. Holballia no 295 var. Stettana borealis var. alpestris, = S. longitus no. 528 Ocytrofries montice Ca. Gray. New Aprecies = O, Lamberti Do 5 /1 Prunus Pennsylvancy. Look at the Western ofrecimens. Dee leaves on same breuch with flowers. no. 662 Vav. Nora Blanda var. setigera = 16.00 4 663 Rora acicularis V. Bourgeannana : R. arkansa. 674 Pinus americana. One both specimens the same 9, " 680 bratagus subvillora)
" 682 " Oovylasii & Please examine
" 683 " siverlaris Look at all the Laxifragacio. no. 784 Epilobium paluts. Very doublfur of this. no 878 b Pencedamum villosum This is to same as go flast year. What do you make of 93, 94, 86 of last year ? I have funt in four species on top of the pared whiles Or. Oawson found in the Rocky mountains this year. Please look at them and see if correct. One is an astragalus without a name. I have sent no ace 96 ofrecies, nearly all of which are in quantity and in good condition. I send them to Mr. learly I shote make who the bamilfulation. Us soon as I can I send the Catalogue Very truly yours folm Macount



GEOLOGICAL & MATURAL MISTORY SURVEY.

Alfred R.C.Selwyn LLD, T.R.S. Director.

MUSEUM & OFFICE, SUSSEX ST OTTAWA.

Feb. 7 A. 1885

My dear Lis, a day or two since I had the pleasure of receiving your latest conbibution to the botany of north america. your collectors are showing wonderful a ctivity and are funding many new things. I am plodding on here and trying to get our plants into some order and I believe am making good progress. We are regestering every spices and all the mistakes I make can be easily corrected in Julius publications. We are protting who another package for you but is advance I send a for (Crabas from Hendoon Strail and am arenany which I would like to have your examine as the line to which they belong is now in the fress.

you will get many fine archio plants when I send the parcel. Please accept my thanks for the late pullications and believe me to be as ever your diligent Justil. John Macon. P. O. as I have no Canadian helper I take in the whole flora and am as well up is Lichus, Mornes and Lumito as I am in Ohenogamo. you will be astonished when your Det my Catalogue of our lower former.



GEOLOGICAL & NATURAL MISTORY SURVEY.

Alfred R.C. Telwyn LLD, F.R.S. Director.

Museum & Office, Sussex S! OTTAWA.

May 29th . 1885

My dear Lis. This morning, I found on my late, your notice of the second part of my Calatogue. The first paragraph is everything I could with as the criticisms are just and proper but the second shows that politically you are far behind as the term topper and Lower as applied to Ontono and Inchec have not been heard on this side of the 45 Parallel for over 20 years. Our whole country has been known as the Comminer of Canada since 1866 and for me to change the title would be considered a breach of officios duty, When I used the term Canadian'I did it in the song it is undustood here. Each section four country is a province - Ontariofer Upper Canada and Imber for Lower Canada. The

nova Lections and British Wumbrans Consider

themselves as much Canadians as we do in Ontarw. you will see that the matitia from ale parts of Canada havejust wifeel out a refellion of holfbreed and Indians in the north West and each man of the 5000 now at the front calls himself a Canadian just as you Call Jourself an amenian. Our new name is the Cornivion of Canada and we are Canadians from the attantion to the Pacific. again and I hope benefitees by you tout. I start in the course of a week for the Rocky Mountains and furtion making a botanical section of the Country from the eastern base of the mountains to and begond the Wendia Peiros and hope to add much to our knowledge of the mountain flora both as regards distributions and spices. Thanking you again for your additions to our flora ment fall I am dear dis Very sincerely yours I Jehn Macom



GEOLOGICAL & NATURAL MISTORY SURVEY.
"Afred R.C. Tilwyn LLD, F.R.S. Director.

MUSEUM & OFFICE, SUSSEX ST OTTAWA.

Jame 3 4 1885

My dear Dir.

I start in the morning for the Rody mountains and show be absent over three mouths.

Should you look over the plants before I come back you might hold over your corrections until I return. This is my first collecting trip to the mountains

and therefore you may expect to see many ration.

If they are any particular things your dising me At look after with me at lealyary, alberta, leanasta. This win be

my address all surrows. I collect all hinds of plants so that my work will not extend own a great district but I shall collect

from the footbills on the east to the dry region of British Columbia on the west and of come on all the high mountains on the line of the C.P. R.

The fore-foring programme I shall carry fredicate out if health permit and already predicate interesting results regarding the carrye of species.

I offing you have had a pleasant Vacation and are enjoying good healts I remain your very truly John Macount.



GEOLOGICAL & NATURAL HISTORY SURVEY.

Alfred R.C.Gelwyn LLD, F.R.S., Director.

MUSEUM & OFFICE, SUSSEX ST OTTAWA.

Nov. 3 4 1885

My dear Professor. as I mentioned in spring, I passed Last summer in the Rocky Mountains and Collected from the eastern Foothills to the arminist of the Sellint mountains within the "Great Bend" of the Columbia. My collecting fround was on both sides of the Pacific Railway and on an average about My evelections are simply immense and mostly in frint and flower.

I am at work on the collection and find many interesting things besides a few I am in doubt about. I send a few of my finds which are rather Its em and would like your opinion about. The Ericofu without a name is an introduction dong the line of Railway in the mountains. I can make onfor a favor on me as I am ansions to get the name of the Cruiter. Very truty your Marown.

List of rarithis 1 animone Orummondii, Watsoro 2 " occidentalis, Watsons 3 Oelfrhinisms Menzierir, Ole. 4 " varigatum, Tour Gr. 5 Thatitum occidentato, Gray. Cattha leptorepala, 7 aquiligia briviatyla, Hook. 8 arabis Intraa var. ambigua, Regel. " Lyalli, Watson 10 O raba Crassifolia, Graham. 11 Viola Lettinkin, Toldie, Lychnis elata; Watson. 13 Atellaria obtura Engelm. ? - S. humifum 14 " Crispa, leham & Schlicht. = a. higher 15 arenaria stricta, Water, ? 16 lalaytonia Caritiniana Van, sessilifolia " megarhiza, Pany. I will send you any of these you may derire besides any others I have. f. M.



GEOLOGICAL & NATURAL HISTORY SURVEY.

Alfred R.C.Selwyn LLD, F.R.S. Director.

MUSEUM & OFFICE, SUSSEX ST OTTAWA

Nov. 10 th 1885

My dear Ris.
Gran notes and the Catology have both reached me and have given freat satisfaction. I am delighted to learn that On may has taken up the Polyputation for I assure you the mountain species need much revision. I made very fine specimons this year and as I have meanly acce in both find and flower I can send sprennens easily determinate. We are protting who a set of all the protestion. not sent before this. These will be chifly furnisher Robbing Mountains and Kindow Buy I am now working at the Sanafragacid and as soon as I am through the Polypetala I wire send off

all the additions for this year. Thanks for the notes in the Catalogue they are all proper I am quite sine as I have discovered some of the mistakes myself. my Should you or On. Gray with it I will send you down a copy of the Catalogue with the changes and additions writters in so that you may know exactly how for our present tenoutedge extend. I know now that many of the species are not so limited in their range as I have made them. I will send down a confile more Catalogues but retain the one you send back. I could make nothing of the neslia. It is very curious that no spreimens have even been seen since Ozoungeau's time until this year. My specimens are from the Columbia Valley and Body mountains, but the suds must have been brought in by the railway. Lawron knows nothing about

our plants and could give nothing new but a re-hads of his old paper was necessary to Kuch him still before a certain class. I have many fine specimens I what I named Ranunculus mwalis Var. Escholitzin and will send fine ones to you. I am surprised about Thatistrum Counti and will send your a operement of what I call the finning article. I cannot conceive where I get the not about a flavaseous, at it certainly is not my own knowledge I introduce. I have lovely opicimens of a busistylis from the mountains. I never saw 4. Carula and hinel the remark. I had already found out my mistaly about O. agureum which of was led into by accepting other states-- ments. On examinations of my Orocky Mount -tain gatherings I formed out my mistake

We have made a fine collections from this year. I have put a specimen feath form for you. I have three forms of Californies (from Vantists Columbia, R. Woodsii will litely be my I. haviftra June Bully Prince, I have gone over my Rows again with the aid of your avisions and find R. lucida is largely my lawting but I also find that boths species ranges from the Coast to Lake Hemoir. Ol. humilis is as far as I know exclusively Confined to Ontario. How have specimens of mine Collected at Feingsters, have Levily whiles I named Or. lucida: but which I am quite sine are R. nitisty. Please have a look at their. They are quit, distinct Jum R. lincida as your draw the lines. I was struck with the resembleur of my Lychnis elata to bilen multicarlis and to make some examined a flower and found for styles which caused me to make it a Lychnis and hence etal



GEOLOGICAL & NATURAL HISTORY SURVEY.

Alfred R.C.Selwyn LLD, F.RS, Director

MUSEUM & OFFICE, SUSSEX S! OTTAWA.

188.

Polease look at it again as I believe nuttall's species is a Lychnis if mine is like his. as I certainly took them to be the same but the a style, stagened me. I have splenshid specimens of my and fruit a wire send them, so that your may obied. The posts are all even and even spreading at maturity.

Various forms and trying to asparats
the compound species into their compount
fruits and have encueded very well.
I am puzzled however with the Campestis
frout of Onytropus as Or Gray in his
lat alwisions does not definitely fine
our mountains forms as he will see when he pots my fand. O. Viscida
is a lovely plant and he will see it as he

says with violes flowers. My plants are in fin condition.

you unember my sending a plant last your named astrogations mortoni. You said it was Heedy samme mackingir. This year I have obtained remarkably fins specimens of it and it certainly is a Heedysamus but his botween Mackenzie and brudis. Its flower are always white and in the foothills ga it proves with the other two but it is the only one that enters the mountains and ascendo to a high attitud. For will see the specimens.

but as the Rivisius of the Potathulatae is now in paropers I may as well state a few of the difficulties whichs come under my observation. Dell On Grey that I have an immens collection of mounts est plants in our horbariums that are at his service if he desires to see any of thom,

and that any thing which he wants to verify will be sent his At once of distant for. This letter is already too long and I shall leave the other notes motil I send the specimens, Please give my Congratulations. to On Gray on his approaching bith day with the hope of many actions. Very truly yours John macoun.



GEOLOGICAL & NATURAL MISTORY SURVEY. Alfred R.C.Selwyn LLD, F.R.S., Director.

MUSEUM & OFFICE, SUSSEX S! OTTAWA.

Nov. 28 # 1885

My dear Dir.

Please accept my thanks (In your lastortes and corrections. I hope you will not think me to troublesome but I confees I know I give you much bothy. It is done however in the interests of general botany as the more I work at our forms the more I am satisfied thus are many mistakes still to be rectified. I send our western belimatis. Jon will notice that it has long, narrow and very a cuminate sepals which are always bright blue. I send a sprimmens Could it be le. le l'univiana? It estends to the Pacific form has blunt or acardy?

The form sunt last year as P. nivolis V. Enshitting. is sent again both in fruit and flower and Dr. miralis Var. Jun Hendra Baj. I send a mumber of Orabas this time in good fruit which I hope may be found and. Lychnis classa is sent again under that name as it certainly has four pristals. I have a specimen of A. mutticantis, But from Suksdoof and I believe it to be a Lychnis also and likely my species. I sent arabis Lyallic again

Var, Columbian

this time boths in fruit and flower. It cannut be Hedboellir. I sund three astragali withits I am in doubt about but as they have both flower and fruit you will likely fine them without trouble. a number of forms of Oscytrofius are also sent and amongst them O. visceida. The specimens confirm On Gray; opinion about the flowers being blue or frustle. all the speamers suit are named escept the astrogali and Oraytrofous. For will notice the Proces are named in accordance with your monoprofet. The specimen of Espilobium which looks like var linear differs greatly in the seeds which are worthy of escaminations. I have now sent all the Poly putala not hitherto forwarded to On. Gray and as new material is collected I will kuch on with every form we have is in his herbarium. Very truly years P. D. The parel num sent cartains 163 spews all names
except six. g. m.



GEOLOGICAL & NATURAL HISTORY SURVEY.

Alfred R.C.Selwyn LLD, F.R.S., Director

MUSEUM & OFFICE, SUSSEX S! OTTAWA.

Occ. 4 th 1885

Ocar On Gray.

nev. 19 was received today and in acknowledging its received today and in acknowledging its received today and in to personally congratulate you on yours vigorous old age and espress the with that you may long live to solve the difficulties of one of your oldest follows if not a proprie under your immediate instructions.

Very grætefulleg yeurs John Macvenn



GEOLOGICAL & NATURAL HISTORY SURVEY. Alfred R.C.Selwyn LLD, F.R.S., Director.

MUSEUM & OFFICE, SUSSEX ST OTTAWA.

Jan. 18 th 1886

My dear Dis.

Grow note and the list of courtins of

the Polyhetata reached me on Laturday. I amgled

to find that so many of my determinations wore

court. Of course you cannot understand the labor

of have to morely reach the vantage from I have

expecially in the Polyhetation where all is still confusion

or inaccessible to me.

I down very place to have added so many

I down very plant to have added so many things to our flore from last summon's trip and hope that some I my finds are interesting to you. I see me reason to doubt your decisions and shou register

all my plants as you determine.
I herewith send the Gamopototo which
includes as my contribution for this year 169 species
or forms. On the top you will find the doutfue things
which I would like you to look at as I am very
much interested in this determination. Should you

not be able to examine all the frauch now I would be glad of you could look at those on topo. My collections of Willows, leavier & aranes are all worked wh and now in the hands of Bebt. Booth & Vasey. There are many interesting things amongst theno. I also found two very rare ferres, Physptins alfrestins & aspidium Orespeting last auroner I will send all this in my nest pans. as well as some other things you have not received from me yet. I have hois afrecimens of Confprisheding passisinum from the Rocky Mountains. With many thanks I remain your, Very tuty John Macom.



GEOLOGICAL & NATURAL HISTORY SURVEY. Alfred R.C.Selwyn LLD, T.R.S, Director.

MUSEUM & OFFICE, SUSSEX ST OTTAWA.

Feb. 18# 1886

My dear Dir. Your card came this morning And in answer I may state that no spreimens of R. Affinis Var. liveasprus were sent to you, The form Hudson Strait. Those sent to you were labelled Ol. nivalis and by Mr. Watsons Changed to R. affinis Var. leiocarpus. These aprecimens were collected on the burnist of mount albert in the Gaspe Peninsula, aufurt 1882. I believed the Cape Chudlight specimens were the same form and hence sent threns to m. Amitts, none of my Cape Chudligh Specimens have rootleaves. Ofter examining all the specimens I wrote last year as follows - "Heads of fruit oval and sud quite smooth, beate of fruit curved, Filowas

bright yellow, calyon and upper part of the pedicel

covered with light gottom colored hairs. I am very serry I tenow nothing of the rootleaves. Mr. dmith's specimens are like my own. No radical haves were broght I expect to go to England ment months When I will remain all summer. I purpose suing as many of the old collections as prossible so as to clear up a number of difficulties that have arisen in my mind. The third frank of my Cotatogne is more will under way and is it I intend to fruit are con-- rections and additions up to date. For this wasn if no other your notes on the Lamopetata sent lately will be very acceptable In your notice of Part II you say that your understand Canada to mean lapper and Lower Canada. These names have not been in use here for 20 years. Lower Canada is now Lucker and Effer Canada is Ontario. Canada now stretches from the attantic to the Pacific and includes all nords arninea not included in the links States. Ving try your, J. Macon



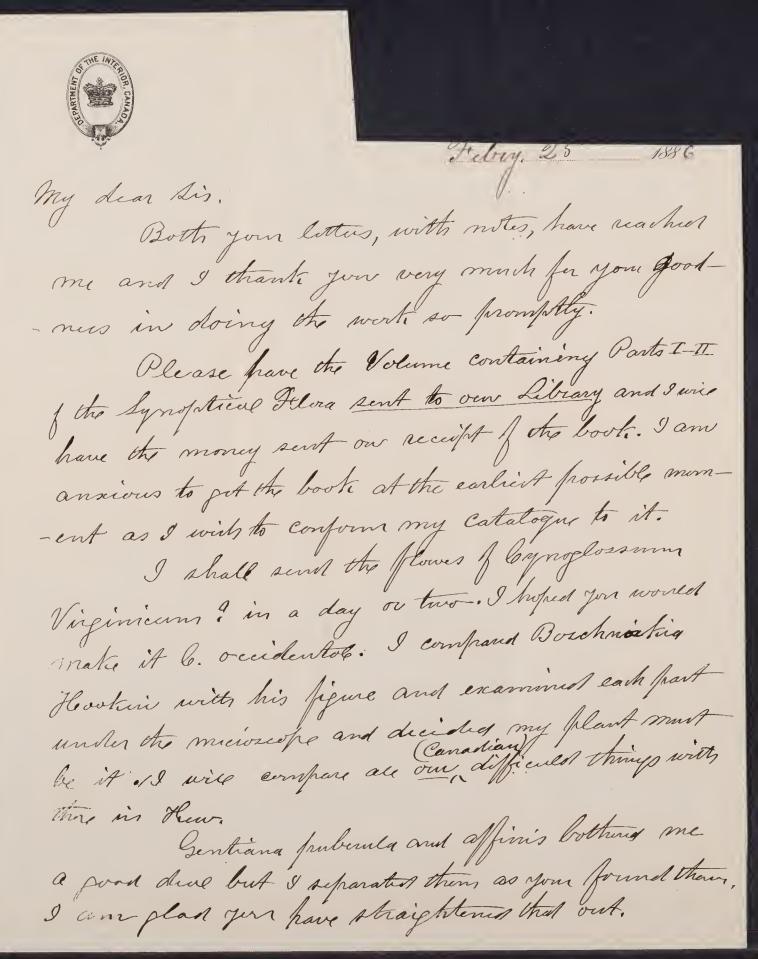
GEOLOGICAL & NATURAL HISTORY SURVEY.
Afred R.C.S.elwyn LLD, F.R.S., Director
MUSEUM & OFFICE, SUSSEX ST. OTTAWA.

Fely 24 1886

ara Praj & Ind.
Cumbride Mass.
U.S.a.

my Dear In. Olo Von are of course unare In breph Hooken for many Jean Director of the Royal Rolanie Pardens at Kew has recently retired from active official life. I has been Inflested by a few hotowists he Canada that some testimonial from the highish - speaking people, litter in the shape of an Enfrossed address or in a more taugible form would be an appropriate recognition of his Dervices to Science. Defore moving in the Qualten howeven I have heer requested to write and ask if Ion will allow Jom have to be directioned as approving of the project in the Circulan which it will be necessary to despote to all parts of the world. Que shall he glad to receive Jon views on the onligech, as well as any advice I'an may be pleased to give, as to the

form this marks of appreciation should take. The do not of course wish to impose upon you any of the he ceasary work in connections with the matter? but perhaps for carle ouggest dance person on persons who would be wit. ling to take an active part in this morement, as far as the United States 6 Concerned. Orgging the favor fan Larly reply Sam Dang Dear Sai Jones Respectfull John Macoun



tes and active assistance I and potting our plants in order and hope in a short time to have all our forms representet is our collection. We have a large package of apetation and Endogens frut up for you, but they are not sprendly to be examined as the Willows, Canies count Grasses have passed under the eyes of Beth Boott & Vasey. When they are being laid in the Herbarium I would like any corrections Im. Water may make noted down. There is no hung how -ever as I do not want the notes until mush winter. again thanking you for your Kind new, I remain your very truly, John Macon. P. S. Should your desire either specimens or notes regarding any of our Polypotata you have only to ask for thin - J. M.



GEOLOGICAL & NATURAL HISTORY SURVEY.

Alfred R.C. Selwyn L.L.D., F.R.S., Director.

MUSEUM & OFFICE, SUSSEX ST OTTAWA.

Manch 10 4 1886

Osav Or. Gray.

your very kind note was received in due time and pave no all much satisfaction. The two points, raised by you, that his Joseph Hoolas has not given who botanical work and that an engrossed address be the form of testimonial presented to him, must our hearty approval and we will kup there as our quides in our further proceeding. mr. Flitcher, who takes a very active interest in the matter, is now on his way to England and has promised after conversing with m. Thistleters Oyer and learning his views to communicate with us immediately. We therefore propose on hearing from him to droft a short address which would take the liberty A sending to you for your opinion before it is printed. We could also unstitate the general distributions

A the circular to botamists, but would suggest for your approval the idea of having a separate centre. I distribution and wight of forms for the United States, leaving us to deal with Canada, Ourthalais, the Cape &c.

Very sincerely yours John Mawim



GEOLOGICAL & NATURAL HISTORY SURVEY.
Alfred R.C. School Success St. Ottowa

MUSEUM & OFFICE, SUSSEX S! OTTAWA.

6 th January 1887

My dear Siv.

Please accept my best thanks for goin from the plants & sent down lately and excuse me for troubling you so much.

The various specimens of analis petrasa or Lisymbium humile that I have sent you have always been a puzzle to me and I think from your letter of Occ. 21th I see my way to a clearing up of the matter. Please examine my anticotte and Heananasteis specimeno sent as a. petraca and see if are are not I. Thursil or the S. boreale you think of making. all there specimens are. truly annual and are more or less hairy, while a. petræa from Lake Superiors is certainly peremial and smooth or nearly so. Widently grows in some abundance along Hendson

Bay as I have an old specimen obtained by On. Bell some years ago. My son is going to the Bay

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the coming summer and will look out for more of it.

2

While in England I did not med Mr. Foster or if so have forgotten. Regarding Inis tridentata I may say that in habit it diffine from I. variator in being shorter and storter and with having the food shorter and broader. I have always found it, sand or boggy fround within the influence I the spray from the sea. I believe it be a purely Coast opicies. I send the only specimen I have in fruit and hope the seeds may germinate. It was gatheres at Gaspe Basin in 1882. I will be west nest summer but will try and get our men who may be on the coast next season to sent you a box of roots of the sea side Blue Flag. I think I may promise them with Lafety.

In the first past of my Catalogue I stated that we had possibly three species of Orunus on our western plains - demissa, Virginiana and another.



GEOLOGICAL & NATURAL HISTORY SURVEY.
Affred R.C. Selwyn LL.D., F.R.S., Director.
MUSEUM & OFFICE, SUSSEX ST. OTTAWA.

It is forobable that O. demina extends eastward to see Winnipeg or that we have a bush form with black, swort fruit that takes its place east of the Rocky mountains.

I send down a plant with the Iris which was found on a wadside in Manitoba but which I can make nothing of except that I meline to make it an acalypha brotonly with fear and trembling. It is certainly an introduced plant but where from is a questions. Last spring I frut who a bundle of om endogenous plants, including grasses, seges and ferns which will be forwarded for the hubanium of your sor desire. all grasses, carries Oc. are properly named and I only send the frakage to complete our flora as far as possible. I remain yours truly

form macon

Lambridge Mars



GEOLOGICAL & NATURAL MISTORY SURVEY. Alfred R.C.Selwyn LLD, F.R.S., Director.

MUSEUM & OFFICE, SUSSEX S! OTTAWA.

26 th fan. 1887

My dear Sir your card with the names of the plants Came in due time and today the one astring for my mounted specimens of Chabis prothers. I dend all there within a pared of plants Sent to slay by enforces. Please return the mounts spreimens of arabis when you are done with The plants sent consist chiefly of laances frasses and forms and contain many rare species. These plants include all my displicates not hitherto sent. There are a few odders and

frasses and forms and contain many care
species. These plants include all my displicates
not hitherto sent. There are a few odder and
ends on tops, but the Orchids, Leliaceous plants
and receives make up the bulk of those not
in the three orders mentioned. Cells the lesspecace
Graminea & Filices are supported to be correct
and have been married by myself and others.

It is very remarkable about Congris

amaranthordes. I believe it is a recent autroductions

introduction as we had no account of it until last season. There are many springs of preculiar plants springing who along the new railway that were nown seen in the interior before, but which I think are introduced.

The Inis I sent is common from a little below Lucher on the Diver DA. Lawrence along the shorts of that rives and along the Buf wasts to the allantic. I am quite sure it is a maritime species. Prof. Largent has all my specimens of brotagus for examinations and we are conducting a little correspondence in commedies with Prica and Juniperus.

Hoping you may clear up our difficulties regarding arabis petrasa I remain yours truly John Macons



GEOLOGICAL & NATURAL HISTORY SURVEY,

Alfred R. C. Selwyn, C.M.G., L.L.D., F.R.S., Director.

Museum and Office, Sussex St., Ottawa.

March 17 th 1888

my dear Lin.

your latter came on with the first trains
so it reached me yesterday. Curiously enough, the
storm seemed to have spent its force east and
west of us but not here. We were very much surfined to learn of its force in other localities by
for south of here.

Please arealt my thanks for you troubs in examining and naming the specimens sent. I only seemst down those I had doubts about . Sing I sent the pared I have only laid aside three or four difficulties. all the ambellifus have been named by Prof. Coulter and three new species recorded. The Willows have given Mr. Bibb much satisfactions. Pop Vaily has been making a more careful examinations I our Carices and has serted out a few new varieties. and Or. Vasy as usual refarts many new grasses. I am well pleased with the work of the part year. Including all orders I have collected meanly 60 species new to science.



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GEOLOGICAL & NATURAL HISTORY SURVEY, Alfred R. C. Selwyn, C.M.G., L.L.D., F.R.S., Director.

MUSEUM AND OFFICE, SUSSEX ST., OTTAWA.

Is the Thalitrum, Inclase! new species? Today I have sent 18 grasses & On. Vaser and have many more to send. I am about to publis centuries of Canadian Mosses, Leverwerts and Lichens in a drance of the Catalogue, but On hils Frindbuy I horway will describe the new species of morses while Mr. Pearson of Manchester England is moragraphing the Heepaticaea. Only. Fris has offene to complete what Prof. Onekuman lift undone and this year's Collections on Vancours I sland with be examined by him. Can a set be purchased for the herbariums?

Veng truly yours

(dr. Luano Wattons

Kenbanius

Cambridge

Man



GEOLOGICAL & NATURAL HISTORY SURVEY,

Alfred R. C. Selwyn, C.M.G., L.L.D., F.R.S., Director.

Museum and Office, Sussex St., Ottawa.

Nanaimo B.b. July 12 \$ 1887

Oear Ovetor Watson.

your very interesting letter of June 23 of reached here yesterday and was read with much pleasure. I am glad you have finally settled with Drabis lyrates & potraes. The latter was always a prople as I Could not make my specimens tally with the descripthing my son is this summer assisting in the ex-- ploration of for the islands in James Bay the southerns enterision of Hondson Bay - and we enfred him to make many new discoveries. I have been on this islands (Vaneouver) since the 16 to april and will be here withit Afr. 1t. I am making a thorough botamies inploration of the southern half of the island and who to the present have made immense collections and numerous valuable discoveries. In the writer I will send my usual fractiage of this summire findings and hope to have some species that may intuest you. I wise look out for the Oak and instead wie get specimens from Brown's two as well as from others and hope to soft the question of a second species which I think to there is not be four funishers Virginians is the only one has so Prof. Sargent is right. I have discoved Tranga to therein

on a mountain about two miles from here and at an altitude I 3000 fect. I have collected fine specimens of the roses and Can sittle the questions of theirs occurrence hore. R. Muttiana sums to have many from and seems to approach Or. purocarpa only as regards size of flower. R. symmocarpa is a lovely Little thing. It came into flower with R. Authana about five weeks since. I collected their finist toolay, and the flowers of a. prisocopy yesterday. The latter is fully a month later in flowering. One form (?) of nuttians has small flowers and pear-shaped fruit, while the other has large round fruit. Inon days from now I commone the account I know anows with so miles from her and 6000 fut high. I purpose making a early examination git, as freely 1000 feet of it is above the present snow line, and it must have the greater part of the alpine flora of the island on its whom slopes. I am taking an Indian and sise days pro-- visions. Osew are abundant so we will be in no fear of startothing So far I have found the alpine flora almost identical with that of the court range but hope to get alaskan forms when I reach higher allitudes. Up to the present I have noted and evelethe over 1100 species on the island. Of there 744 are flowering plants & ferns, the others are Cryptogarnie of ale orders. I have fine specimens of a terrestrial Inoctes and have found Phyllo-- Spadin Torreyo or somothing very lite it War thing ryming Macoun



Geological & Natural History Survey, Alfred R. C. Selwyn, C.M.G., L.L.D., F.R.S., Director.

MUSEUM AND OFFICE, SUSSEX ST., OTTAWA.

17 At Oct. 1834

My dear dis Lince my return from Vancouver Irland I have been so busy working at Part IV I my catalogue that I have neglected to ensure many letters and I did not write you with I Could send your a small panel of Enthist opicies for your Thinion. I only send the Orchids and Liliaceae which are new to me. My determination, are on the labels. Please examine them at your earliest convenience and let me know the results as I am writing there wh now, I duly received your letter of July 28 th as well as that of the 23th. I was delighted when I read that the plant you wished me to look for was a myth as I had sun nothing resembling what your artist for I also had another letter asking me to look up Baker's Oak which I have mistead or lost. I attended to the oat and gathers first and haves from the oak on dir James Oouglas Lange



GEOLOGICAL & NATURAL HISTORY SURVEY,

Alfred R. C. Selwyn, C.M.G., L.L.D., F.R.S., Director.

MUSEUM AND OFFICE, SUSSEX ST., OTTAWA.

So that you may compare them with thou Do obtained in other parts. The oaks I will send with my usual bundle which this time will include many race things for I have made many discoveries ow oh Island. I have no time now to go over the Energens but if their one any orders or genera of which you desire spicmens you have only to let me Know and I will send them stone, Rorng Britton, Bailey and Vascy will examine their particular dections and I hope will find much to witness them. It is very probable that I have Phyllospadin Scorler in fine fruit as I have one species if not tow and abundance of fruit. I received both copies of your last Contribution, to our Betamine knowledge and have settled my Jungle

about the Rosky mountains form of Dealis Orummandis and I a plant have cleaned up that other about arabis putraia. The specimens you had I us came back safely Please accept my thank for your last work and remember

Please accept my thank for your last work and remember The Water me for your fitters one. Very truly yours Lawred university



GEOLOGICAL & NATURAL HISTORY SURVEY,
Alfred R. C. Selwyn, C.M.G., L.L.D., F.R.S., Director.

Museum and Office, Sussex St., Ottawa. 31 6-1.

a loss what to do with Drillium erections V. declinder, Gray: In your revision of the Liliaceae you seem to include this form in I commun but you to not mention the fact. Indeed you say nothing about it. after carefully examining our specinius I have come to the conclusion to place it as a van. of I. euronom. The species grows with us in the volley of wires and small brooks while the van. declinations is on most mothers form and is never, as far as I am away, is views bottoms. The pedunde is only delined in the Var. while it is areuved in the species, Please Look at and the specimens of my I exections Var. declinations in the Zent.
I had the good forting to collect Phyllospashine Swale: in fine friet the part year and also Liliaea subulata In Carries I have added a few things and a couple I sprives unknown to Mr. Bailey. Whom I begin to work up the general Evelethin I enfruit to direver many interesting things. M. Morong has seen the Raindaceae. On Lereno Watson Very truly yours Cambridge mars.



GEOLOGICAL & NATURAL HISTORY SURVEY, Alfred R. C. Selwyn, C.M.G., L.L.D., F.R.S., Director. Museum and Office, Sussex St., Ottawa.

nov. 11 th 1887

Ocar On Watson, your note of the 4th inst has been accine and in accordance with it I have retained I. ereturn las. decliraturs under T. ereturn as of I have just completed working who the Junei for the Catalogue and send you my deter-- minations of the Vancour Irland ones. I would like to have your opinion as soon as convenient. In the same parcel I send over a dozen species of which I would ack a critical examination I am sure some of them will enterest for as they are very rue even if my determinations are Correct. The lear danine with the heart-shapes litre at the end of the leaf is new to me and so is the Claytoring which is different from anything hitherto seen by me. as I work up the collections I will send down the difficulties but later in the winter we

Will send ow usual packet.

MUSEUM AND OFFICE, SUSSEX ST., OTTAWA.

Before spring we will sent you down another franch but there will be only a few for you to enamine critically. There I will insticate.

2

as politaines it in two places and in both it Could have been introduced.

I strink you should make two varieting. I Bogheria occidentalis and two I Piculla trifoliaty as the two forms I each are quite distinct in habit and peneral appearance when growing.

Summer and that the fates may allow me to med you nest year

Or. S. Watson.
Herbarium
Cambridge
Mass.

Very sincerely yours



GEOLOGICAL & NATURAL HISTORY SURVEY,

Alfred R. C. Selwyn, C.M.G., L.L.D., F.R.S., Director.

Museum and Office, Sussex St., Ottawa.

Offil 27 # 1888

Oear Prof. Watron

I have today received Or larger last
Contribution. Please accept my thanks for the
lind remembrance.

part IV is nearly completed and will but first your on occernt of its size - nearly 250 pages. It includes all the Endogens and all we know about them.

I will take the field very soon but will do little in Phenogams this year as my time will be taken whe with other branches of Ratures History.

History.

Hechning your have stood the

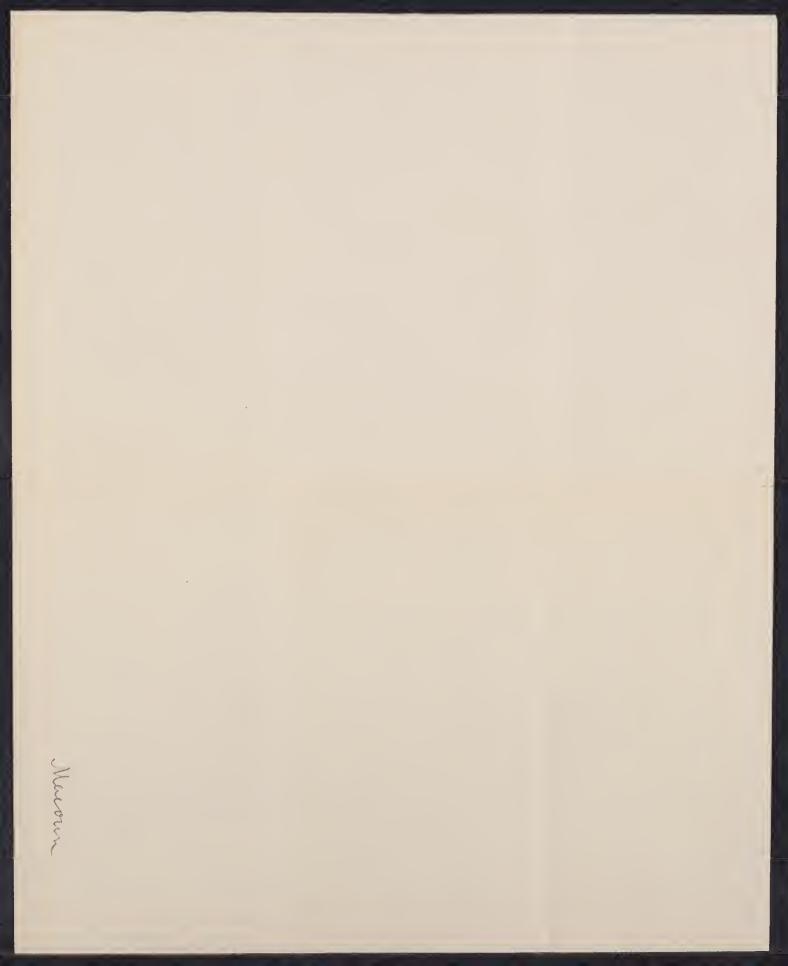
wister without injury and that the summer may end with you in perfect healths I remain truly yours

I remain thinky yours

John Macount

P. D. I suppose I about thank your fire copy

I the Life and Work of Prif Gray.





GEOLOGICAL & NATURAL HISTORY SURVEY,

Alfred R. C. Selwyn, C.M.G., L.D., F.R.S., Director.

Museum and Office, Sussex St., Ottawa.

June 13 th 1888

my dear his I have this morning leaved your last contribution to american botany and have examined with great interest your remarks on the various species of Lesqueella and Oraba.
You may not be awarethut Purch botanized on anticorti. I have no doubt but he found L. anting Var. Purshir exactly where I found it var. J. incang you have done a proper thing and by eresting O. meany very

bound's into a species for have done what our northern forms required to be done.

Nest autumn on my return from the files I wis have a complete enamination of my immunes collections on the basis by fun revision, and let your lenow the results.

my sow is now well-thing noth & Lat 5'6 and about 110 west. I have in form days for Prime Ecolward Irland where I wis collect all summer. Please accept my Thanks and believe me to be

O. O. Part IV is Very truly yours written and muly John Mawens

No.30]

GEOLOGICAL & NATURAL HISTORY SURVEY,

Alfred R. C. Sclwyn, C.M.G., L.L.D., F.R.S., Director.

Museum and Office, Sussex St. Ottawa.

Sof. 16 th 1889

Oear On. Watron

Ogom note of angest 28th came in due time and should have been answord before this only I have been moving about from place to place. I am happy to say that my health is completely restored so that I can go to work again with my old time zest. The fourth Century of my leanadian morses will be ready for distributions, shortly and I will send at the same time the three already published. Hindberg has been at work on my moises for many two years. So far (leaving out this years collections) he has emminated 608 leanadians species and describes 47 new spicies and 33 new varieties, also Credits me with 46 other spring not described in James & Leagenaw's mannal. I have the manuscift of Pewson's enumerations of the Canadian Helpeticas (167) frices) now in the hands of the printer. He only makes one new sprious but we are publishing +613 Sprios. after this is for enough advanced I will

send to the printer Himsburg's complete notes and descriptions of new forms and hope to have both ready for distribution in spring. all those getting my sets of morses will got privited descriptions of the New forms I distribute besides the framphlit which will Contain besides Heefratiene and Musico, additions This will be my work for the winter. Owing the summer I made very entensing Collections and Obefore spring hope to send you down a large pared of the collections of the last this reasons Our work has increased so much I late that my sow and myself can search tuch with the routing work let alone the work of distribution I added no new forms of wees this Deason but Can send you when you disin & very good set of all our norther forms as we have them, now from the attantie to the Pacific In 1887. I collected on Vancoun I dans, last year on Prince Edward Island and this year from the court of British Columbia entward to the Columbia, so for see I have openimum from much new territory. Will you want the Helpaticae as well as On I. Watsuis Heavans, Museums John Maconing



GEOLOGICAL & NATURAL HISTORY SURVEY,

Alfred R. C. Selwyn, C.M.G., L.L.D., F.R.S., Director.

Museum and Office, Sussex St. Ottawa.

Sof 26 # 1889

Ocar On. Watsons

Gorw note of the 19th inst. acades

me safely. Thanks for your preaching but it
is impossible to "go slow" as I have so much

on hand. We are beginning to work up last

year's collections and as we reach anything

met tog hitherto sent to you we will put it

and others axide.

To your address and include the last one before the titlests are printed but their wice be suit down in a few days. One number I the foist Century is wanting and thus fith rumbers. I sund the titlests and kiet a not of the numbers. I will have another Century nest year. I send on top I the parel an arabis, two Curdamines and a hasturtiums that I would be glad to have your opinion whom I send down a Calindina of the Collections & 1887

which you never determined. Could your look it wh?

Whenever you want any material

for any order I will send down one

mounted of ecimens so that you may see

them and cof comprese with others.

The morres are corrected who had date

and the descriptions of all the new forms

will be sent down in duplicate when

printed which will be this wrister.

Very truty jours John Macoun

On. S. Watson Hoarvard Hoerbarium Cambridge

P. S. I would little to see the new Mannal as soon as issued if it is coming out this writer as I am prublishing an addendum to my Catalogue, ma



GEOLOGICAL & NATURAL MISTORY SURVEY,

Alfred R. C. Selwyn, C.M.G., L.L.D., F.R.S., Director.

MUSEUM AND OFFICE, SUSSEX ST., OTTAWA.

Oct 11 th 1889

Olar On. Watson

I herewith send you the balance of the titlets for lanting IV. you will notice that a number of the new species are amongst those sent especially at the end of the last Century. I purpose after this to disturbets in dozen fraction as I get them complete. I will issue them at a dollar for dozen and will send the first to your as soon as complete. There will include many rare and new species and varieties.

Very truly your John Mawin



meanting.

GEOLOGICAL & NATURAL HISTORY SURVEY,

Alfred R. C. Selwyn, C.M.G., L.L.D., F.R.S., Director.

Museum and Office, Sussex St., Ottawa.

Oct. 16 th 1889

Olean On. Watson

The cheque has just reached me and

I hasters the actinowledge it.

Ouring the winter we will sund down

any species we may have obtained the past rummer

in additions to those already sent brishes

any difficulties I may must with. as som

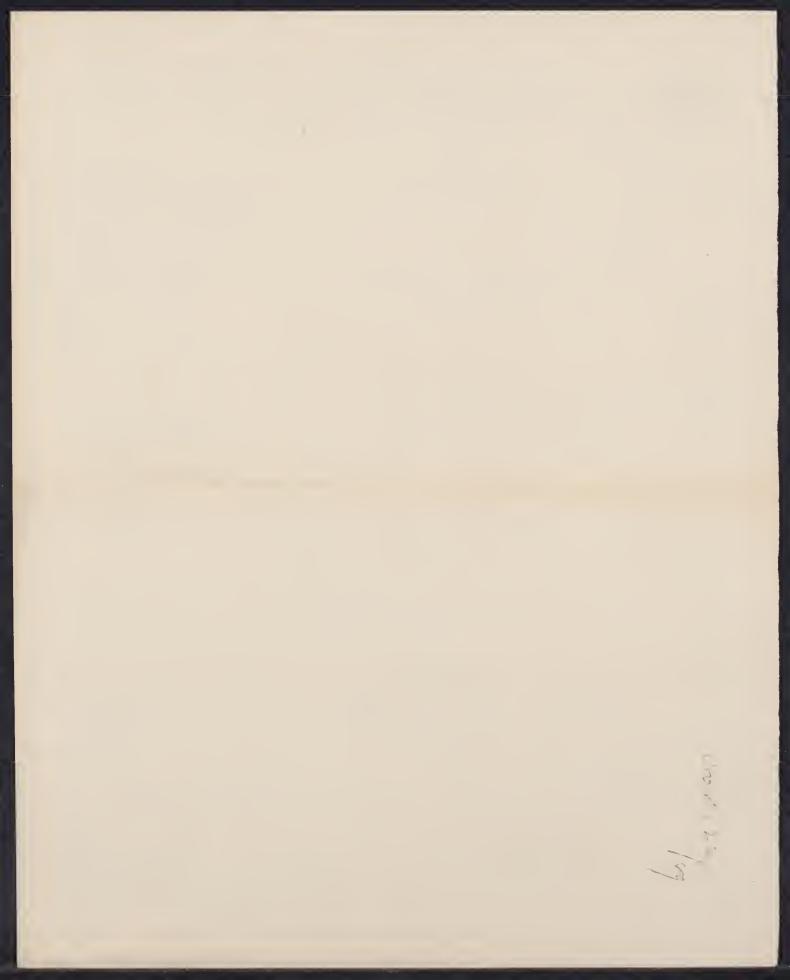
as I reach the Roses I will send to you thus

obtained in 1887, 88 & 89 together with all

my son has laid aside for you in the

Very truly yours John Macoun on II

No. 395 GEOLOGICAL & NATURAL MISTORY SURVEY. Alfred R.C.Selwyn CMGLLD, T.R.S., Director MUSEUM & OFFICE, SUSSEX ST OTTAWA. Nov. 22 nd 1889 (Vear Ov. Watson Toolay we send down a small pared centuring the Roses and a few other plants either herstofers sent to you or critically interesting. my son has mentioned those we desire in formation about you will notice that they are thry astragali and a Stellaria as well as two forms of Spheralee. The three commen roses of the west want are VE. notteana, pisocaspa o symmocospa, I name the typical forms and sund the others number. En closed find nos. 123, & 139 mit represented in Jour set of the Canadian morses I am working steadily at our collections I last year and have already made some discoveries in phenogams and added over 20 new spices of morns to north america. Very truly your On Derano Watsur Cambridge man. John Macoun



SEOLOGICAL & NATURAL HISTORY SURVEY. Alfred R. C. Selwyn, C.M.G., LL.O., J.R.S., Director. MUSEUM AND OFFICE, SUSSEX STREET, OTTAWA Jan. 3d 1890. (Vear Ov. Watson your card came today. In answer I may say that the "mountains of Caribor" are in northern British Columbia between Lat. 53°- 54° This is the "Gold Region" of British Columbia and re-- ceived its name from their on account of the Caribon in the mountains. Last summer I was on the "Eveld Range" wit of the Columbia Ring and hother & the Coanahins Pacific Railway and saw numerous Caribon and Rocky mountains frats. about 6500 feet abore the sea the timber ceases and fine meadow toto there place up to perpetus snow. I spent ten days on the mountains and brought buck Goot stims with me, In the last bundle I plants there Blease look at the Poltonia in the bundle sent and It me know what is. Wishing your the Compliments
I the secure Nation I remains your truty
On. Swano Watern, John Macoun

Sec. 3/20

GEOLOGICAL & ATURAL HISTORY SURVEY. Alfred R. C. Selwyn, C.M.G., LL.O., T.R.S., Oirector. MUSEUM AND OFFICE, SUSSEX STREET, OTTAWA. Jan. 17 to 1890 Ocar On. Watron your kind letter with notes reached me a few days since and I thank you very much for them. I am glad to hear your explaination about I. caly canthow. S. boud's should be better described. I am glad you made the astrogotus lintiginous and I and I and I was what you named it in 1876, while I was at Hearvard. The Deubres I marry lenewdernon & strigious was growing with them and was evidently a hybrid. L. Oreganno was a mistaty for L. huttallie as I remember when you changed the name of the western vernous. I will try and got fruit of my Luprims Casiflorus ment summ as I am formy to Butito Columbia in spring. Dissa borealis was Brittonia name. Last winter he asked me for all my from of Spergulaines and I sent him down the mounted sines. He was When he send the specimens buch the name was



GEOLOGICAL & NATURAL HISTORY SURVEY. Alfred R. E. Selwyn, C.M.G., LL.Q., F.R.S., Director.

MUSEUM AND OFFICE, SUSSEX STREET, OTTAWA.

2

18

In the sheet without any author's name after it.
The Roses number 1-4 are as you say forms of R.

prisocalpy in my opinion but they differ in this

print - the flowers prow singly. I new say true

prisocalpy in its native habitat with singly roves

in acrony case they grew in bunches. If that is

a character of Re. prisocalpy it hold good botts on

Vancoun I sland and British Columbia,

Epilobium wants revision very bady. I have a mumber of firms I can do little with. Coulder & Peace have examined our Cornus stotonifica and pubercus. Out of the prairie form, they make a new species le. Bailegi. No new umbellifus this year. Deritams has all my grasses of last season now under considerations. Commend & Cardot have examined many of Findberg's new species and confirmed the preates part and made other new ones.

On Serano Watson

SEOLOGICAL & ATURAL HISTORY SURVEY. Alfred R. C. Solwyn, C.M.G., LL.O., T.R.S., Director. MUSEUM AND OFFICE, SUSSEX STREET, OTTAWA. Feb. 20 At 1890 Ocar Ooter Watsus The "new Manual" has reached me, I have only looked through a little of it and arm much pleased with it. I find I can accommend? At to our people in manitota as nearly all our north western plants are in it.

In a few days I will with again regarding it as I am intending to go our it Carefully and change the Laymongmy of my Catologue to gow with it

Thanking you very much for your Pains remembrance I remain yours

Very true John Maxoms

120 (12 st.) 20)

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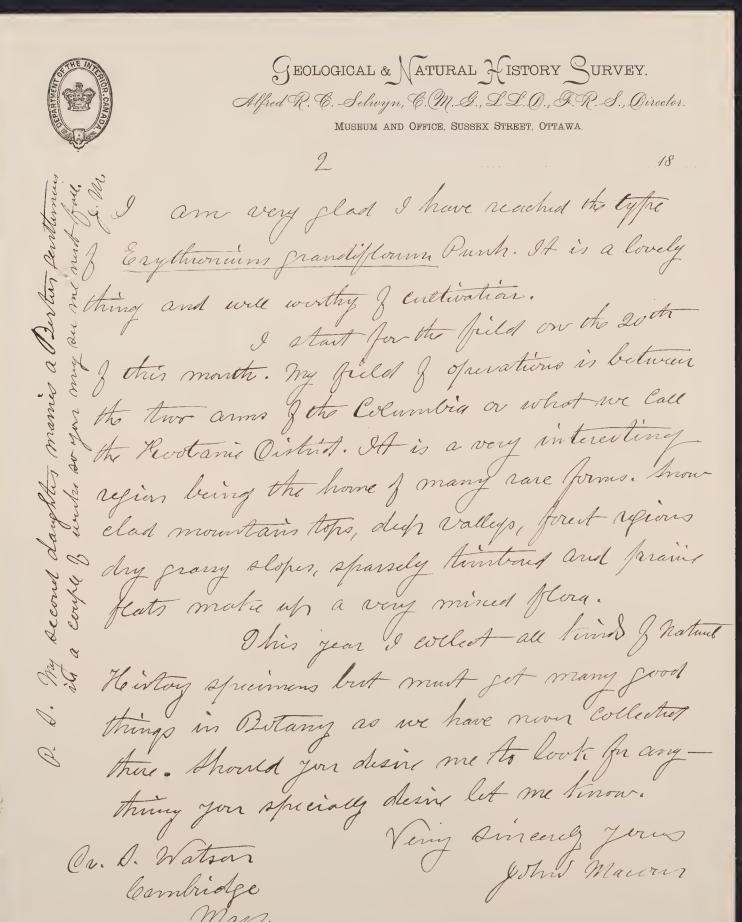
SEOLOGICAL & ATURAL HISTORY SURVEY. Alfred R. C. Selvyn, C. M.G., LL. O., T.R.S., Oirector. MUSEUM AND OFFICE, SUSSEX STREET, OTTAWA. March 24 th 1890 my dear Lin your note of the 21th inst. came this morning. I am very glad to hear that M. Barbey is interested in general bottomy and I will at once communicate with him. We have many duplicates of our western species and wish to have them placed in good hands. I am quite sure you are aight in mating the Ruppies a new species. I would be glad if for would describe it and send me the descriptions for Port V which is now going through the Jones. I would be very thank, ful for the names of the plants sunt you some time since as I with to insert their in their Judger Jalau is the addendum. Very truly yours Or. Linew Watson le ambridge Mass.

apr. 1/90

No 613 SEOLOGICAL & VATURAL HISTORY SURVEY. Alfred R. C. Selwyn, C.M.G., LL.O., T.R.S., Director. MUSEUM AND OFFICE, SUSSEX STREET, OTTAWA. While 1st 1890 Cear On Watson your letter of the 28th March has been re-- Cewed and read with much intent: I have made the necessary corrections and completed I may say my winter's work. Willows, Carrier, & grams of the part Dearar were very interesting and have been examined by Bett. Bailey & Schribnes. Paclease has the Epilobinus and says they are very interesting. We send you by this mail about one hundred additional species, many of which are intenst--ing. The Sambellifes were all examined by Coulter a Rere so that they are all reliable. On the left of the bundle are ten specimens which I have named but which I would like you to look at Carefully. They

Are forms I am not altogethem satisfied with, ho to always proces on mountains summits. no. y is a franzle. Is no 5-0. Anisseming. I can no 4 S. foliolasa, R. Brown.

no s. 1-2 may be could but I am doubtfut of thomas



1. Trox our on hace - for purple, but nor ver, our june 2, Saxifrages accióndalis, tratton 3, a reflexe that is 4. " Cenem I hemigolia, Mix, - 12 aprel det. J. Opension Missouriem & b, Wher occidendalls, Nett 7. Evige unifero se o fenorage forme e Comme de E. de finos C. Trilling grantafter 1. Paraller grige and franches Osu, billiones and letter rever historial

Belleville May 30 A 1830 My Ceav Sir, I start for Wrimipeeg tomorrow and show be absent until wenter. Should either formself or Or. Gray desins any special ex-- aminations - of certain orders made Communeats with me at Winnipey and they shall be attended to. On my return I shoufile up many of the blanks in furnishing (On. Gray with a complete not of Canadian plants. my route this year is South of that of last year and not to far west. I shall carefully ex aming the Cy/reas Hills. Very truly Jung

P. S. Thanks for the Change I name. I am delighted to know that On Gray is working Mr the Composition. Please moke a note of all the correction made on my Contributions, J. M.

10 8 31 SEOLOGICAL SURVEY DEPARTMENT. Alfred R. C. Selwyn, C. M. G., L. L. W., F. R. S., DEPUTY HEAD AND DIRECTOR,

MUSEUM AND OFFICE, SUSSEX STREET, OTTAWA.

OA. 22 ma.

1890 my dear his Lorne time Lines I received noxVII. of your Contributions to american Botany and now tendes my tardy thanks for your tind remembrance. I notice that you describe in part the new Peuppia I found last year. I also described it in part in Part V as P. locustris but this is still in the printer's hands. Four do not mention the arabis which I thought was arounter. I believe it to be new We gathered many fine things the past summer in the British botumbian mountains. Some of there are new to our flow and some may be new to science. as soon as my son gets through the Polyfutatae we will send you there that are doubt-- ful and others not hitherto sent to your herbarium. I have often worklind whithis you ever distribute any spicies from Haward. We got spicimens from everywhore else but none from you.

SEOLOGICAL SURVEY DEPARTMENT. Alfred R. C. Solwyn, C. M. S., LL. D., F. R. S., DEPUTY HEAD AND DIRECTOR, Museum and Office, Sussex Street, Ottawa, I am not asking for an eschange but you may have species to distribute not in our Herbarium.
There are many new spicies morses in leanadar yet to be collected and des - Cribed. Hindberg & le. Miller have been at work? on my collections the part summ and have worked out 171 species new to Deience. Prof. Burner seems to think these of little account but he will open his eyes will when he sees the des cripations and I hope in many cares the figures. When all are examined there will be fully 200 additions to Lisq. & James Manual as I have over 25 nun & america though mit to screne. With best wishes I remain very truly yours Serano Watson Esy. Johns Mawin Cambridge Maso.

No 879

SEOLOGICAL SURVEY DEPARTMENT. Alfred R. C. Selvyn, C. M. G., LL. D., F. R. S.,

Nov. 27 At 1890

Oear On. Watson

Today my son sind a parel & plants frast of which are referred to in a list which he send. Would you kindly look over these and let us know your opinion as soon as convenient. I want particularly your opinion on my forms of R. occidentation. Aginlegia flavereens (6) I consider a new variety at least. Papaver mudiciale is certainly not the P. mudicante of the arctic regions. The arabis? (no 19) is beyond me. I believe it to be a Disymbium near I. humile but that spean. you have an astrajolus of mine which I sent in 1885 that you named a. alfinases but I cannot agree with your. I now send the same spin as no 26. Have you not two species of Lascipaga forms me under the name of I occidentation. The one I send now (no 36) is surely Green's D. Coalifornies and your S. Occidentate is the species with the ferriginous tomewhom under the leaf sent in 1882.

GEOLOGICAL SURVEY DEPARTMENT. Alfred R. C. Selwyn, C. M. D., L. L. D., F. R. S.,

JUGETIA AND OTHERS SECOND STREET,

Museum and Office, Sussex Street, Ottawa,

Many our norther forms do not seem to be identical with the species which passes for them south of Lat. 49: Where are the types of Torrey and Gray's Flora and nothall's species? I am becoming satisfied that many of the old names will have to be revived as we have in our col-- lections now many forms that will not fit in with many of the descriptions published in the last 30 years. If you have the types I mustion I may for down to Heavand for a louple of west, nest Debunay and with Jon help with our some on despeuties.

On. Lerano Watson Johns Macoun.
Cambridge

O. D. I have a married daughter living in Boston now,
J. M.



GEOLOGICAL & NATURAL MISTORY SURVEY.

Alfred R.C. Gelwyn CM.G.LL.D., T.R.S., Director.

MUSEUM & OFFICE, SUSSEX ST OTTAWA.

Oec. 11 th 1890

Ocar Ov. Watson your kind note and the corrections of the list of specimens have been acceved and Carefully read and the specimens compared. I now accognize astragalus Robbinsii Var occidentatis and see that some of my Rocky mountain specimens of 1885 were referred to a agrinus. I thought the arabis? was Lignbrium humile. I am glad you made it so The Silene deserves my name as it has given my much trouble. as soon as my son gets through the germontation he will send you another botets of specimens as we have some additions to that sections this year. We have the fruit of the new Puffica this fran. For will got that also. With many thanks for your Timbrus. I remain sincerely your. John Macoun Or. Derano Watson Cambridge Mass.

Dece. 11/23

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1

Seological Survey Department. Alfred R. C. Selrvyn, C. M. G., LL. D., F. R. S., Museum and Office, Sussex Street, Ottawa, Dec. 18 th 1890 Oear On. Watson Today my son sends you a few sprecimen and amongst them that new Puffia. You will be at least one fruit on each sheet. There are two Erigerons that I cannot place, especially the one without rays. I have taken advantage of my son sending the parcel to forward lentury of the Canadian Musei. There are a large number of new species in this Century and many very interesting things. When I complete my leatologue of the mosses there will be numerous changes in the names on the tistets of the music. a number of these have become new species where descriptions will be sent to the Subscribers with the new titals.

all my Sphagna and when consplite I will re-ising the thing 15 the find 15 numbers of my first Centhing. Very truly yours Or Surano Watson Johns Maconn

Cambridge Mass.

Der 19

No 894 SEOLOGICAL SURVEY DEPARTMENT. Alfred R. C. Selrvyn, C. M. J., LL. D., F. R. S., Museum and Office, Sussex Street, Ottawa,

Olice 29 At 1890 Cear Or. Watson I am in receiff of both your letters and thank you very much for the notes on the species sent down for identification. I am glad my Engeron turned out a rare thing. It was too young for me to make anything of it. arenaia biflera has puzzled me very much but now we have a botter understanding of it. If the arabis Macouni is the same as the one sent last year Collected at Ja Lytters B. le. I have named it already a. Columbiana. See Part y page 304. your name for the Ruffia must be the one to stand as my panyhlit did not appear until long after yours appeared. It was printed in march but not published withe

november.

Museum and Office, Sussex Street, Ottawa, I send the titals for the missing ones escept for met printer yet. as soon as I can got the titals printes I will sund down a new Det for the sphagni and in most Cares new speamers. Her Warnstoff has examined all my Sphagni and I desire my Dubrembus to have Dets according to his determinations. sisth Century I send then now as you may desire to see them as many of them are new. History you a happy thew your and Many returns. I remain truly yours On. S. Watson John Macoun Cambridge Mass.

Seological Survey Department.

Alfred R. C. Selrvyn, C. M. G., LL. D., F. R. S.,

No.904 SEOLOGICAL SURVEY DEPARTMENT. Alfred R. C. Selwyn, C. M. G., LL. D., F. R. S., Jan. 3 th Oear Octor Watson I have your notes of the 3d & 6th insts. My arabis Columbiasion was collected at Lytters form hylten as d. onesette B. le. april 16 to 17 th 1889 and was ticketed a. Holloellie. For are quite right the spreimen from Revelstote is district. Please name it a. Macomin of for can do so with propriety. Whe aredri un bent 91 Willett. We have a remarkably large Vietes Canina Var. longifren from nanaimo which is quite close to Outparture Bay but it is not like a specimen I V. Howellie which we have from Washington, The Specimens afend to were sent to you if I milate. They were labelled Ranaimo if you had them.

I hope to be in Borton for a week after

the 15 to g next mouth and to will spend some time, or all I have to spare, at learnbridge in the Henbarum. Very sincerely yours Ov. J. Watson Cambridge Mass.

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M01011 SEOLOGICAL SURVEY DEPARTMENT. Alfred R. C. Selvyn, C. M. S., LL. D., F. R. S., afinil 7 Am 1891 pi Cear On. Watson your card of the 2 nd int. has been here for a day or two. You ask what the "nastutium amphibium" of my catalogne is well I answer it is certainly mit n. amphibines of Europe and hence is not what I named it, 5 my n. amphibium is the tall perenarial plant Fix prowing in ditches and with dissected leaves below the surface of the water.

My idea of the real n. palnets is The one with armual root a reclined and branch-13. Bing stem and lengthened pods. It corresponds Sign can be referred to the live that 33 3 with A. Tradust of Europe. I cannot believe that Jon can be referred to h. fralute. We have at least three district forms and perhaps form. I do hope you may saparate them as I am quite Some they ought to be scharated Very truly your Watson, Heavard Heavanins leamondee. Mars.

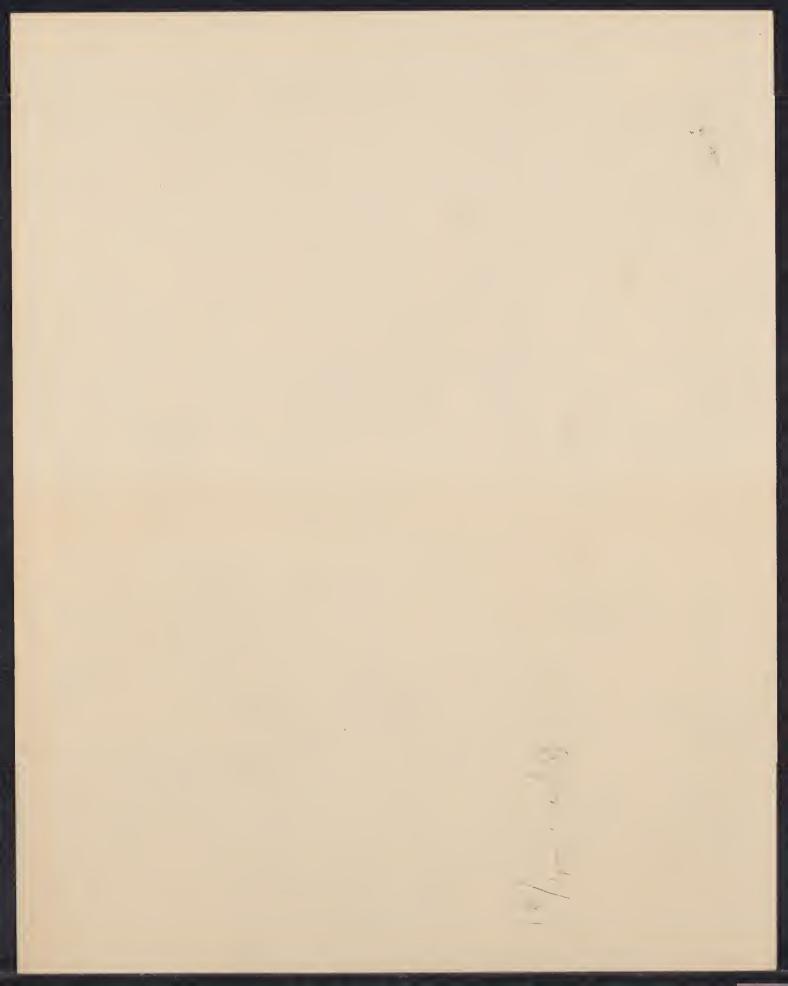
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SEOLOGICAL SURVEY DEPARTMENT. Alfred R. C Selvyn, C. M. S., LL. D., F. R. S.,

MUSEUM AND OFFICE, SUSSEX STREET, OTTAWA,

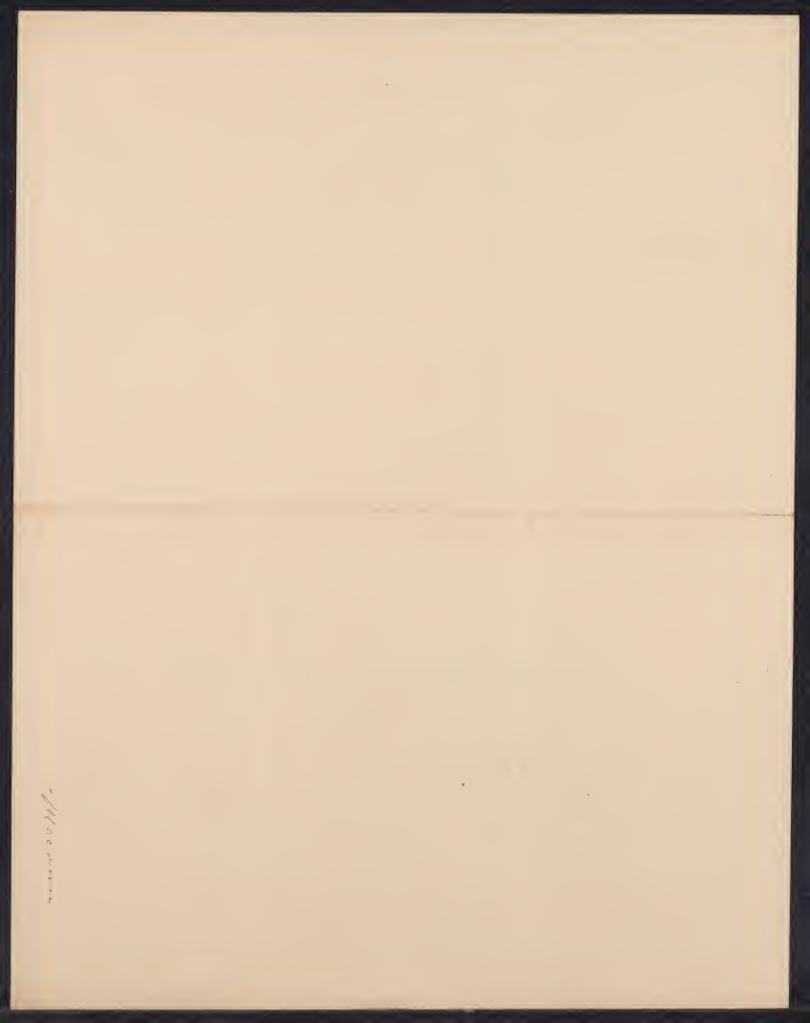
MONTH 1891

Oear Car Watson I send today all my nastrutions polustre and the few specimens I at first thought were R. amphibiums. For will notice the specimens from north Lydney, this one is introduced. One from le asselman Ont. is indigenous and I believe is true n. palustre. The other cannot be all this species as they one altogether too diese in all respects. I am sure it is not an easy tasts to separate their but if they are not different Species they certainly are distinct from never worting to the weak and reclined European Gun. I also send all my spreimers & leardamme this sty and its relatest ferms. I am quite sme that here too there is a misture of forms that Loverer or later will be separated. The speamous of arabis and Craba for have our and I believe have set night. Ving truly yours



Seological Survey Department. Alfred R. C. Selwyn, C. M. G., LL. D., F. R. S., Museum and Office, Sussex Street, Ottawa,

Barry August 14 1891 Rocky Mountain Park. Osar Mr. Watson your letter was forwarded to me here and I thank you much for your information. I have made extensive collections how this year but have nothing new as far as I can see but I have secund fine specimens of arabis aummention both in flow and frint. The latter at 6900 fut altitudes the form at 8500 furt. Both obtained the same day It is a remarkably fine ofricies and grit distind! from the eastern a. Conffinis. I think I have a small Pannentus mit found before in our mountains. My son is with Oa. Oawson at Omnalaska and the Oribifof I alands in Behring's bea this year and I esopred a number of northern things from his Collections when he returns. He is a famous collectors so I esoprest some additions to the flora of there islands when the gots back, I will be home in a month, Very truty greens Macount



Alfred R. C. Selwyn, C. M. G., LL. W., F. R. S., DEPUTY HEAD AND DIRECTOR, Museum and Office, Sussex Street, Ottawa, Sep. 11 At 1891 Oear Ov. Watson I reached home a few days since and found your latest contribution to american Botany on my table. The two new species will clear the horizon on there lines and I hope you may get material enough before another year to make a settlement I nasturtium palute. I am quite sur your will got out at least two good spries. I am very plass you have taken up the Engthrorium and will concede your correctness without examination. Later I will compare our Arceimens with your descriptions.
I learned this year that the summit of the Rocky mountains is really a dividing line between frastias floras at any rate. My son writes that he had make fine collections on Ownalaska and hoped to collect on the Oribyloff and Commander Irlands besides on some of the most western Aleutian I aland. He will per some good things as he is a bee-er. Very truty your

SEOLOGICAL SURVEY DEPARTMENT.

SEOLOGICAL SURVEY DEPARTMENT. Alfred R. C. Selvyn, C. M. S., LL. D., F. R. S., Schoyn, C. C. DEPUTY HEAD AND DIRECTOR, MUSEUM AND OFFICE, SUSSEX STREET, OTTAWA, 1891 Oear Or. Watson your very intuiting letter and the pared I plants came in due time. I am very plastyon want over all the nasturtiums and the Cardannies. your determinations I will stand by as I have every confidence in your ability to discriminate between different ferms, I am going to have what I thought was a perennial form of n. politic from from sud to see if there is any difference between it and the annual form. I armember the type of bardamine hissorty as you describe it in the Mannal. I gathered it many years ago at Rainy Lake. I am glad to learn that the nanaimo aprecimen is an additional species to our list. It could easily have come from behind as Ranaimo is a waling post for newly Pacific coast steamers I have two letters from my son in which he States he has made estensive collections on many volands in Behring's Lea. His collections will be very interesting

and it is very probable I will go down to Hours

GEOLOGICAL SURVEY DEPARTMENT. Alfred R. C. Selveyn, C. M. B., LL. D., J. R. S., DEPUTY HEAD AND DIRECTOR,

MUSEUM AND OFFICE SUSSEX STREET, OTTAWA,

of the species he has got. amorningst others he has nearly all the species that prove on Beling: I sland. He obtained there from a Pussian. He was told that Ov. Gray enumerated the plants I this island many years ago. Oo you know in what publication the list appeared? my son will be home in four days and as soon as I look over the material I will let you know to more interesting points. Of course you will come in for your share of the spreimens brought horne. Jour notes I remain Very truly Jour John Mawing

Museum and Office, Sussex Street, Ottawa,

1894 Oear Or. Watson Lovne days since my son adshusers a parcel to you containing a set on Heepatical which I am just issning. Inclosed you will find the live, Please tate a look at Lornera paniflora. Ov. Groy Raspful On. Lindley's L. Oouglasii but I think he was wrong in doing so. I am sure you have specimens of mine which On Lang referred to L. hirsuty which are not that openis. I have lovely specimons collected this fear that belong to the var B. J. Dow. & Buy and that can be mithing L. planca mer L. hirsuty. I send a copy of Pearson's List to for with the set of Haspatriae as many number of the factity Uper to his List Very truly years John Macon harved in his

Seological Survey Department.

Alfred R. C. Selrvyn, C. M. B., LL. D., F. R. S.,

1-3,10,12,14,15,1),18,21,30,34,

50,5-1,5-3,5-4,5-6,5-9,62,67,75-77,85-92,96

106,110,117,118,120-122,124,128,131,132,134,136,

149,15-6,15-7,159,161-163,

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50, 52, 54, 62, 75, 45, 106, 120, 124, 132 Consultud

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128 157, 159, 161, 163.)

"Canada", J. Indoorm or Austin.

29, 200- Macoun.

GEOLOGICAL SURVEY DEPARTMENT. Alfred R. C. Selwyn, C. M. G., LL. D., F. R. S., DEPUTY HEAD AND DIRECTOR,

MUSEUM AND OFFICE, SUSSEX STREET, OTTAWA,

1891 My dear Din your note came yesterday when we were holding high carnavel but trolling things are quiet and we are back to worte. Regarding the specimen from Ocase's Late I may say that I know nothing further regarding it than appreared a should have appeared on the titles. It som some cause I failed to put a notice fit in Part V & my Catalogue, and that is not all for have an Hol specimens from Foot Churchill that was gathered in 1884. No. 12 the specimen to which you was oblained at Olase's Late Lat 59° and hence a mountain or boud sprices - not artic. Besides I have a sprecimen g athered at the mouth of the Machingie the frast year that may throw some light on the subject. For years On. Watron and myself Kept up a correspondence regard ing a Lychnin I guthered on the Rocky mountains, which he finally namuel L. Macouni. I would like to chaw your attention to fact well known to me that botamit

SEOLOGICAL SURVEY DEPARTMENT. Alfred R. C. Selvyn, C. M. S., LL. D., F. R. S.,

DEPUTY HEAD AND DIRECTOR,

MUSEUM AND OFFICE, SUSSEX STREET, OTTAWA, on your side of the line have been in the habit I fiving a name belonging to a northern plant to a form of that genus collected in the south and in course of time the northern form becomes almost unknown and the southern one utains the name with a new deacifties. Many of Michans and Oursh's species have been treathed this way and only a few have been set right. Owing to the broadness I my work I have now time to give to this but I am wed aware of the lumping and confusion that mits. I am not acquaintent with L. affinis R. Br. but referred my specimens to it as they were unlike L. triflora from Guerland. I mow think that the Fort bolumehill and Mackenzie Rinn specimens an different from that from Cease Pin and that there are three forms (1) Guenland (2) behandrill & Madanzis Phin and (3) Ocase Prim. I send the specimens down. Oease Prim has wely banks and the aprecimous were procund east & north of the lake and west of the Bushy mountains, which has are frookly defined. att. 2500 fat. Very truly yours John Maconn B. L. Robinson Ph. C. Herbaring bandridge Mars.